SOS Product Suite

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The Science On a Sphere® (SOS) product suite is the collection of software and resources that are available from the NOAA SOS development team to all SOS users. Updates and new releases are available periodically, so be sure to check here and keep your system up to date! For any questions or to request help upgrading your system, email sos.gsd@noaa.gov.

Note: We are in the process of restructuring and improving our support documentation for the 5.2 release. The current documents linked on this page and under the Manuals pull down menu do not yet include SOS 5.2 updates, but the revised manuals and guides will be published on the SOS website soon.

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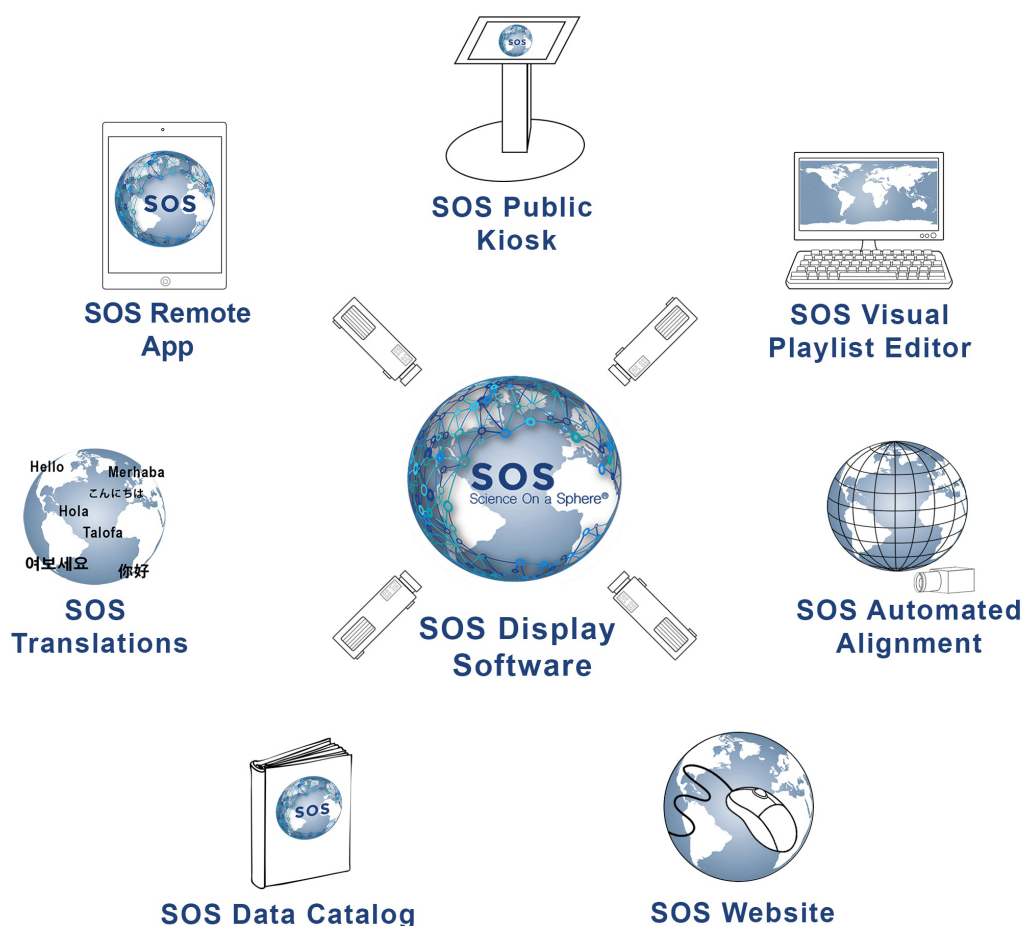
Products

SOS Display Software

Operating System

Ubuntu 16.04

Version

5.2

Description

This is the main application that is used to run SOS, called SOS Stream GUI. Without this, nothing else works!

Documentation

Users Manual

Extra Features

Automation Control Protocol

SphereCasting

SOS Remote App

Operating System

iOS 9.2+

Version

5.2

Description

The SOS Remote is an iPad app that presenters use to control the sphere during presentations, including dynamic layering and annotations. It can also be used for creating playlists and for sphere alignment.

Documentation

SOS Remote App Manual

Extras Features

Translations

SOS Public Kiosk

Operating System

Windows 7/8 (10/XP)

Version

5.2

Description

The SOS Public Kiosk gives visitors control of SOS through a touchscreen that is installed near the sphere. Sites can customize the datasets and categories that are shown on the kiosk. This software runs on a separate Windows computer.

Documentation

SOS Public Kiosk Users Guide

Extras Features

Translations

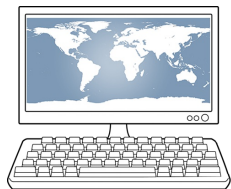## SOS Visual Playlist Editor

Operating System

Ubuntu 16.04

Version

5.2

Description

The Visual Playlist Editor is an application for assembling new content and

creating playlists. A preview of the datasets in flat map form allows users to better understand how the content will be displayed on SOS.

Documentation

SOS Visual Playlist Editor Manual

Webinar Training Video

Extra Features

Translations
Content Creation Guidelines

SOS Translations

Operating System

Multiple

Version

5.2

Description

Many of the parts of the SOS system can be localized for international locations including the Data Catalog, the Kiosk, the SOS Remote App, and the Visual Playlist Editor. Sites are responsible for doing the translations, though the SOS team can collaborate to distribute translations that are made available for others.

Documentation

SOS Translations Guide

SOS Automated Alignment
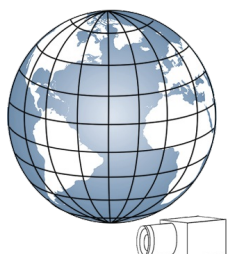
Operating System

Ubuntu 16.04

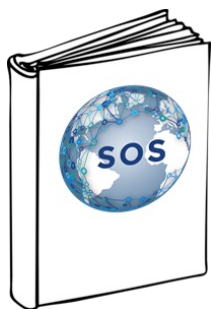**Version**

5.2

Description

Automated alignment uses video cameras and computer vision techniques to align the SOS projectors onto the sphere without human intervention. Manual alignment is still available and is the default option. Additional cameras and network cabling are required. This function may not operate in conditions with high ambient light.

Documentation

SOS Automated Alignment Guide

Operating System

SOS Data Catalog

Any platform

Version

N/A

Description

The SOS Data Catalog contains over 500 datasets, including more than 50 real-time datasets. The catalog also contains Live Programs, which are presentations for docents created by NOAA and SOS users.

Documentation

SOS Data Catalog

Extra Features

Translations
Live Programs
Usage Statistics

SOS Website

Operating System

Any platform

Version

N/A

Description

The SOS website contains a wealth of information. It includes manuals for the SOS products, education resources, and the SOS Data Catalog which includes an online Playlist Builder and a data viewer called the Interactive Sphere.

Documentation

SOS Website

Extra Features

SOS Education Forum